





## Sequence comparison

ANTGGCGGCGAGGTACTCTTTCCTCCAGCGCTGTGGGAAGCCCCAGCAGCTGAAACGGGT--TGTTGGCGCGCG  
 TTTCTCTCCAG--TTCC-CTTGGCCCCACCC--TCAGACCTTCAGAGAGCTGAA--GGTTCCTATCATCTGACAT  
 19590 19600 19610 19620 19630 19640 19650  
 AGGACAGCACTGACAGCGAGTGGCCCTGGATCGTGCAGCATCCAGAAATGGGACCCACCACCTGCG--CAGG  
 CGGA-AG-TCTG-CAGCCATCTGTACTTG-CGGGAG--CAGGACA--GGGACCATCATCTAGAGCATG  
 19660 19670 19680 19690 19700 19710  
 TTTCTCTGCTCACAGCGCGTGGGTATCATCTGCTCCACTGTTTCAAGGACAACCT- GAACAAACCATATACC  
 CTGTGTGCCGGGTACTTGGAGGGGAGC-GGATGC--TTGTCTGTGTSAGCTCCCTCGAGCCCCCACCACCC  
 19720 19730 19740 19750 19760 19770 19780  
 360 370  
 TGTTC-TCTGTGCTGTGG--GG-GCC--TGCGAG--CTG-----GGG-----AA-----CCCTGGCT  
 TGCCAGGAGGGGCTCGGGAAGAGGACGAGCTCAGTCTGTGCCACTGAGCCCAAGACCTCTCTCTCTGGC-  
 19790 19800 19810 19820 19830 19840 19850  
 400 410 420 430 440 450  
 CTCGGTCCAGAGGTGGGTGTGCTG--GGT--GGAGCCCC--ACCTGTGTTTCTCTGG--AAG--  
 TTTCTCTCCAGAA-CTGGCTG-TGCTGACAGTCCCGGTCCCATAGAACCAAGCTCAGCTGGCTCAGCC  
 19860 19870 19880 19890 19900 19910 19920  
 460 470 480 490 500 510 520  
 --GAAGGTGCTGTGAGACATGGCCCTGGTGGCTCGAG-GCTCCATACAGCTTTCAGAGCGGTGC--  
 ACTCATTTATTTGTTGAGACATTAACCTGG-CATCT-CCAGGTGCACCACTCGCCCTCCGAGGCTTTCAT  
 19930 19940 19950 19960 19970 19980 19990  
 530 540 550 560 570 580  
 TGCC--CATCTGCTACCTGATGGCTC--TATCCACTTC--CTCCA-AAACCCCATG-CTGA---TCT  
 TTCTTCAGGGGGTTC-CACGCTCTAGTGCCTCAGAGCCAGCTGTAGCTCAGGGGTGTCTGGAAGCGGT  
 20000 20010 20020 20030 20040 20050 20060  
 CAG-----GCTGGGGAGCATCAAG-ATGGAGTTC-----CCTTGCCCCACCTCAGACCTTCAGAGAGC  
 CAG-----GCTGGGGAGCATCAAG-ATGGAGTTC-----CCTTGCCCCACCTCAGACCTTCAGAGAGC  
 CAGATGTCAGCGGAGCACCCGCGCTCGACGTCTTAAGCCTGGCTGCA-CTCTACTCTCTGGCGCGG  
 20070 20080 20090 20100 20110 20120 20130  
 650 660 670 680 690 700  
 TGAAGTTCTCTATC--ATCGA-CTCGGAGT-CTGCAGCCATCTGTACTG-----GGGGGAGCAGGACAGG  
 GGA--CTTCTCAGCTGTGGAGCTC--AGGTCTGTCTTCCTCAGAGGAGAGAAAGGGCTCCCGGAGG  
 20140 20150 20160 20170 20180 20190 20200  
 710 720 730 740 750  
 GACCCAT----CACTG--AGGACATG----CTG--TGTCGGCTACT-TG-GAGGGG-----AGCG  
 GGCTCATCTGCCCTTCAGAGGACAGGGCCCTGATTTCTGCCACCCCTGTGCCAGGGGTTCTTAACCT  
 20210 20220 20230 20240 20250 20260 20270  
 760 770 780 790 800 810 820  
 GGATGCTTGCT--GGGGCATCTCCGGGGGCCCTCATGTGCCAGTGGACGGCTGGCTGCTGGCGGG  
 CGCCTCTCTCTGAGGGGAGATCCGGGGGCCCTCATGTGCCAGTGGACGGCTGGCTGCTGGCGCGG  
 20280 20290 20300 20310 20320 20330 20340  
 830 840 850 860 870 880 890  
 CATCATCAGTGGGGAGGGGTGTGCCAGGCAACAGGCCCGGGGTCTACATCAGCTCTCTGGGACCG  
 CATCATCAGTGGGGAGGGGTGTGCCAGGCAACAGGCCCGGGGTCTACATCAGCTCTCTGGGACCG  
 20350 20360 20370 20380 20390 20400 20410 20420  
 900 910 920 930 940 950 960  
 CTCCTGGGTGGAGAAGATCGTCAAGGGGTGTCAGCTCCGCGGGCGCTCAGGGGGGTGGGGGCTCAGGGG

CTTCTGSGGTGAGAGAATCGTGTCAAGGGGTGAAGTCGCCGGGCGGTCTCAGGGGGGTGGGGCCCTCAGGG  
 20430      20440      20450      20460      20470      20480      20490  
 970      980      990      1000      1010      1020      1030      1040  
 ACCGAGCCAGGGCTCTGGGGCCCGCGGCTCTTAGGSCGACGGGCAGCGGGCTCGGNTCTGAAGGC  
 ACAGAGCCAGGGCTCTGGGGCCCGCGGCTCTTAGGSCGACGGGCAGCGGGCTCGGNTCTGAAGGC  
 20500      20510      20520      20530      20540      20550      20560  
 1050      1060      1070      1080      1090      1100      1110  
 GGCCAGATCCATCTCGATCTGATCTGGGGCGGCTCTGGGGCGGTTCCTCCCGCGCTAAATAGGCTCATCT  
 GGCAGATCCATCTCGATCTGATCTGGGGCGGCTCTGGGGCGGTTCCTCCCGCGCTAAATAGGCTCATCT  
 20570      20580      20590      20600      20610      20620      20630  
 1120      1130      1140      1150      1160      1170      1180  
 AACTTACTCTTGGGGGCCCGGAGCGGTCTGTGGAAAAGAAACCCCTCCCGCACCGCCGCGGCTCTCA  
 ACTTACTCTTGGGGGCCCGGAGCGGTCTGTGGAAAAGAAACCCCTCCCGCACCGCCGCGGCTCTCA  
 20640      20650      20660      20670      20680      20690      20700  
 1190      1200      1210      1220      1230      1240      1250  
 GGCCCC-CCTCCAAGGCATCAGGCCCGGCCAACAGGCTCATGTCCCGCCCCCACCAGCTTCGGGCCCGCC  
 GGCCCCGCTCTCAAGGCATCAGGCCCGGCCAACAGGCTCATGTCCCGCCCCCACCAGCTTCGGGCCCG-C  
 20710      20720      20730      20740      20750      20760      20770  
 1260      1270      1280      1290      1300      1310      1320  
 CCGGGCCCCAGCGCTTTGTGTATAAATGTAATATTATAGTATTGTAACTGTAACCTGCCACATAT  
 CCTATTATCTCCATTTCAATAAATTATTATTCTCCAAAAAAMA X  
 TTTTATTTCTCCAAATTTCAATAAATTATTATTCTCCAAATTTGTAACTGTAACCTGCCACATAT  
 20780      20790      20800      20810      20820      20830      20840      20850  
 1330      1340      1350      1360      1370      1380  
 CTATTATTTCTCCAAATTTCAATAAATTATTATTCTCCAAATTTGTAACTGTAACCTGCCACATAT  
 TTTTATTTCTCCAAATTTCAATAAATTATTATTCTCCAAATTTGTAACTGTAACCTGCCACATAT  
 20860      20870      20880      20890      20900      20910      20920  
 GGAAGCAAGGGTCCAGAGGGCGTTAAG  
 20930      20940      20950

5. US-09-909-320-262 (1-1378)  
af542056 TOIG of: af542056 check: 6353 from: 1 to: 987

TOIG of: af542056 check: 6353 from: 1 to: 987

LOCUS AF542056 987 bp mRNA linear ROD 28-JAN-2003  
DEFINITION Mus musculus pancreasin mRNA, complete cds.

ACCESSION AF542056  
VERSION AF542056.1 GT:279233336

**KEYWORDS**  
Mus musculus (house mouse)  
**SOURCE**

ORGANISM      *Mus musculus*

REFERENCE  
AUTHORS  
1 (bases 1 to 987)  
Bhagwandin, V.J., Hau, L.W., Mallen-St Clair, J., Wolters, P.J. and

**TITLE** Structure and activity of human pancreas, a novel tryptic serine  
peptidase expressed primarily by the pancreas  
**JOURNAL** J. Biol. Chem. 5, 3363-3371 (2003)

PUBMED  
REFERENCE  
2 (bases 1 to 987)  
12441343

AUTHORS	TITLE	Direct Submission
Bhagwandin, V. J. and Caughey, G. H.		

**JOURNAL** Submitted (29-AUG-2002) Cardiovascular Research Institute,  
University of California San Francisco, 90 Medical Center Way,  
Surge Building, Room 206, Box 0911, San Francisco, CA 94143, USA

**source**

1. .987

\*\*\*\*\*